CLAIMS

1. Roundish fused alumina particles having a mean particle size of 5 to 4,000 μm and a roundness of 0.85 or more.

2. A method for producing the roundish fused alumina particles according to claim 1, characterized in that the method comprises removing edges of fused alumina particles by making the fused alumina particles collide with each other.

3. A method for producing the roundish fused alumina particles according to claim 1, characterized in that the method comprises removing edges of fused alumina particles by means of a jet mill.

4. The method for producing the roundish fused alumina particles according to claim 3, wherein the jet mill is a counter-flow type jet mill.

5. The method for producing the roundish fused alumina particles according to claim 3, wherein the jet mill is a rotational-flow type jet mill.

6. The method for producing the roundish fused alumina particles according to claim 4, wherein the counter-flow type jet mill is one which can arbitrarily control nozzle pressure, rotation speed of a classifier, and operation time thereof.

7. The method for producing the roundish fused alumina particles according to claim 4, wherein the counter-flow type jet mill is operated at a nozzle pressure of 0.6 to 0.8 MPa.

8. The method for producing the roundish fused alumina particles according to claim 4, wherein the counter-flow type jet mill is operated in a batch manner and the residue is provided as a product.

9. A wear-resistant resin composition, characterized in that the resin composition contains the roundish fused alumina particles according to claim 1.

10. A high-thermal-conductivity rubber composition, characterized in that the rubber composition contains the

roundish fused alumina particles according to claim 1.

11. A high-thermal-conductivity resin composition, characterized in that the resin composition contains the roundish fused alumina particles according to claim 1.

12. A method for producing a wear-resistant resin composition, characterized by using the roundish fused alumina particles according to claim 1.

13. A method for producing a high-thermal-conductivity rubber composition, characterized by using the roundish fused alumina particles according to claim 1.

14. A method for producing a high-thermal-conductivity resin composition, characterized by using the roundish fused alumina particles according to claim 1.